

# GAGANDEEP SINGH

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## EXPERIENCE

### Undergraduate Researcher

#### Data Science Lab, IIIT Delhi

📅 January 2019 – February 2020    📍 New Delhi, India

- Working on finding frequent patterns in spacial domain.
- Parallelize implementation of pattern mining using Apache Spark.
- Built a dashboard to upload and find patterns in huge amounts of data.
- Decreased the runtime by 70% compared to sequential implementation

### Software Engineering Intern

#### Camp-K12

📅 May 2018 – July 2018    📍 Gurgaon, India

- Worked in building an online video portal for interactive learning using React.JS
- Involved in creating Q&A forum for students to asks doubts.
- Teaching students basics of programming in JAVA and Android

## PROJECTS

### Delhi Riots Tweet Analysis

#### IIIT Delhi

📅 March 2020 – April 2020    📍 New Delhi, India

- Used **Tweepy API** to collect tweets from Twitter which talked about Delhi Riots.
- Used TFIDF model to predict the topic discussed in the tweet.
- Used Naive-Bayes Classifier to predict if a tweet is a rumour of not, 86% precision was achieved.
- 56% of tweets were found to be fake, thus spreading false information.

### Chain Reaction

#### IIIT Delhi

📅 Sept 2017 – Nov 2017    📍 New Delhi, India

- Created desktop replication of the game Chain Reaction.
- Created a intelligent bot to play the game against you, which could predict your moves and act accordingly.
- The app was built with JAVA and JavaFx framework implementing OOP concepts.

### Departmental Store

#### IIIT Delhi

📅 Aug 2018 – Nov 2018    📍 New Delhi, India

- Created an e-commerce website selling daily item using **Ruby on Rails**.
- Added user based features like allowing user to download PDF copy of the receipt.
- Developed frontend of the entire app using Bootstrap and CSS

## EDUCATION

### B.Tech in Computer Science and Engineering

#### Indraprastha Institute of Information Technology

📅 August 2016 – August 2020

### Senior Secondary(CBSE)

#### Adarsh Public School

📅 April 2015 – May 2016

Percentage: 96%

## SKILLS

#### • Programming

JAVA Python Ruby JavaScript  
ReactJS Ruby on Rails HTML CSS  
JQuery Ajax NodeJS

#### • Development

MySQL Git Scikit-learn  
Apache Spark OpenCV Numpy

## LINKS

- Codeforces: [gagan\\_6730](#)
- Leetcode: [gagan\\_6730](#)
- Github: [Gagan6730](#)
- Portfolio: [Gagan6730](#)
- LinkedIn: [Gagandeep Singh](#)

## ACHIEVEMENTS

#### • Academic

**Ranked 722** in Google Kickstart 2020 Round D  
**Ranked 37** in online hackathon based on Data Science and Machine Learning organised by ZS Associates  
**JEE Mains:** Ranked among top 1% of 1.2 million students  
**IMO:** Ranked **4th** in state at IMO 2012.

#### • Miscellaneous

Represented Delhi state team in Football Nationals  
Represented high school at Football and Roller Skating state competitions